

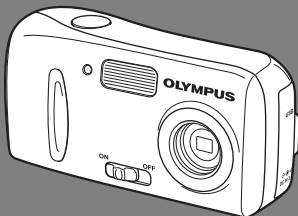
OLYMPUS®

CAMEDIA
DIGITAL CAMERA

C-170
D-425

Shoot and Play!

**Basic
Manual**



ENGLISH

2

FRANÇAIS

26

ESPAÑOL

50

DEUTSCH

74

- Thank you for purchasing an Olympus digital camera. Before you start to use your new camera, please read these instructions carefully to enjoy optimum performance and a longer service life.
- This manual explains shooting and playback basics. For details on functions, read the advanced manual. Keep this manual in a safe place for future reference.
- We recommend that you take test shots to get accustomed to your camera before taking important photographs.
- The screen and camera illustrations shown in this manual were produced during the development stages and may differ from the actual product.

For customers in North and South America

For customers in USA

Declaration of Conformity

Model Number : C-170/D-425

Trade Name : OLYMPUS

Responsible Party : OLYMPUS IMAGING AMERICA INC.

Address : Two Corporate Center Drive, P.O. Box 9058, Melville, NY
11747-9058 U.S.A.

Telephone Number : 1-631-844-5000

Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

For customers in Europe



"CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" mark cameras are intended for sales in Europe.

Trademarks

- IBM is a registered trademark of International Business Machines Corporation.
- Microsoft and Windows are registered trademarks of Microsoft Corporation.
- Macintosh is a trademark of Apple Computer Inc.
- All other company and product names are registered trademarks and/or trademarks of their respective owners.
- The standards for camera file systems referred to in this manual are the "Design Rule for Camera File System/DCF" standards stipulated by the Japan Electronics and Information Technology Industries Association (JEITA).

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How to use the camera



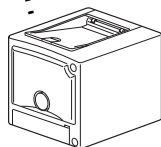
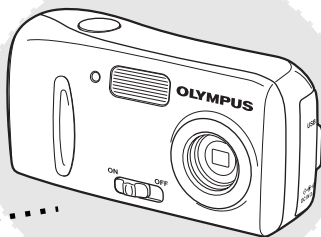
En

Using a computer...

Using the OLYMPUS Master software on your computer lets you enjoy editing, viewing, and printing the pictures downloaded from your camera.

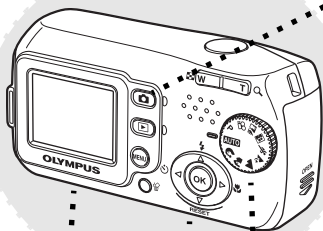
Using the internal memory or card...

Pictures taken with this camera are stored in the internal memory or on a xD-Picture Card. By storing the relevant print reservation data with the images on the card, you can print pictures at a photo store or on a PictBridge-compatible printer.



Using a printer...

With a PictBridge-compatible printer, you can print pictures directly from your camera.



Using the direct buttons...

Direct buttons let you perform functions such as switching between shooting mode and playback mode, erasing pictures or setting the flash mode, making camera operation easy.



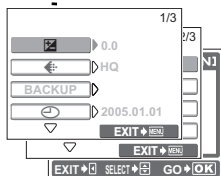
Using the mode dial...

The mode dial lets you select the optimum settings for the shooting conditions from 10 different modes.



Using the arrow pad and OK button...

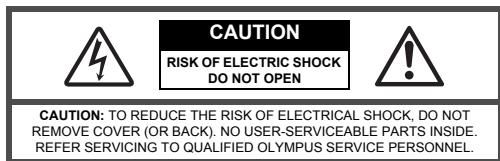
The arrow pad and OK button are for selecting and setting menu options as well as viewing pictures frame by frame.



Using the menus...

Shooting and playback-related functions are set from the menus displayed on the monitor.

Safety Precautions



Lightning flash with an arrowhead, enclosed in a triangle, alerts you to the presence of uninsulated voltage points inside the product which could cause a serious electrical shock.



An exclamation mark enclosed in a triangle alerts you to important operating and maintenance instructions in the documentation provided with the product.

WARNING!

TO AVOID THE RISK OF FIRE OR ELECTRICAL SHOCK, NEVER EXPOSE THIS PRODUCT TO WATER OR OPERATE IN A HIGH HUMIDITY ENVIRONMENT.

En

General Precautions

Read All Instructions — Before you use the product, read all operating instructions.

Save These Instructions — Save all safety and operating instructions for future reference.

Heed Warnings — Read carefully and follow all warning labels on the product and those described in the instructions.

Follow Instructions — Follow all instructions provided with this product.

Cleaning — Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.

Attachments — For your safety, and to avoid damaging the product, use only accessories recommended by Olympus.

Water and Moisture — Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement, swimming pool or in the rain). For precautions on products with weatherproof designs, read the weatherproofing sections of their manuals.

Location — To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, table or cart. Mount only on a stable tripod, stand, or bracket. Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.

Power Sources — Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company. Refer to your operating instructions for information on using the product with a battery.

Grounding, Polarization — If this product can be used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way. If you cannot insert the plug into the wall outlet, pull it out, reverse it, and then reinsert it. If the plug still fails to fit, contact an electrician and have the receptacle replaced.

Protecting the Power Cord — The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.

Lightning — If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the camera when the camera is not in use.

Overloading — Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.

Foreign Objects, Liquid Spillage — To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.

Heat — Never use or store this product near any heat source such as a radiator, heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.

Servicing — Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.

Damage Requiring Service — If you notice any of the conditions described below while using a specified AC adapter, unplug it from the wall outlet and refer servicing to qualified service personnel:

- Liquid has been spilled onto the product or some other object has fallen into the product.
- The product has been exposed to water.
- The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product and require extensive repair work by a qualified technician.
- The product has been dropped or damaged in any way.
- The product exhibits a distinct change in performance.

Replacement Parts — When replacement parts are required, make sure that the service center uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards.

Safety Check — Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order.



If the product is used without observing the information given under this symbol, serious injury or death may result.



If the product is used without observing the information given under this symbol, injury or death may result.



If the product is used without observing the information given under this symbol, minor personal injury, damage to the equipment, or the loss of valuable data may result.

Handling the Camera



WARNING

● **Do not use the camera near flammable or explosive gases.**

- To avoid causing a fire or explosion, never use the camera near flammable or explosive gases.

● **Do not use the flash on people (infants, small children, etc.) at close range.**

- Use caution when taking flash pictures at close range. When you fire the flash, you must be at least 1 m (3 ft.) away from the faces of your subjects, especially when taking pictures of infants and small children. Firing the flash too close to the subject's eyes could cause a momentary loss of vision.

● Keep young children and infants away from the camera.

- Always use and store the camera out of the reach of young children and infants to prevent the following dangerous situations which could cause serious injury:
 - Becoming entangled in the camera strap, causing strangulation.
 - Accidentally swallowing the battery, cards or other small parts.
 - Accidentally firing the flash into their own eyes or those of another child.
 - Accidentally being injured by the moving parts of the camera.

● Do not look at the sun or strong lights with the camera.

- To avoid damaging your eyes, never aim the camera directly into the sun, or any other extremely bright light source.

● Do not touch charging batteries (included in some areas) or the battery charger until charging is finished and the batteries have cooled.

- The batteries and battery charger become hot while charging. A specified AC adapter also becomes hot during long use. At these times, they may cause minor burns.

● Do not use or store the camera in dusty or humid places.

- Using or storing the camera in dusty or humid places may result in a fire or electric shock.

● Do not cover the flash with a hand while firing.

- Do not cover the flash with a hand while firing or touch it after it has just been fired. It may be hot and cause minor burns. Avoid using the flash for extended periods.

● Do not take apart or modify the camera.

- Never attempt to disassemble the camera. The internal circuits contain high voltage points which could cause serious burns or electrical shock.

● Do not let water or foreign objects inside the camera.

- If the camera is accidentally dropped in water, or if liquid is spilled into the camera, stop using it, allow it to dry, and then remove the batteries. Contact the nearest authorized Olympus service center.

**CAUTION****● Stop using the camera immediately if you notice any unusual odors, noise, or smoke around it.**

- If you notice any unusual odors, noise, or smoke around the camera during operation, switch it off immediately – and disconnect a specified AC adapter (if attached). Allow the camera to sit idle for a few minutes to cool. Take the camera outdoors, away from flammable objects, and carefully remove the batteries. Never remove the batteries with bare hands, which may cause a fire or burn your hands. Contact the nearest Olympus service center immediately.

- **Do not use the camera with wet hands.**
 - To avoid dangerous electrical shock, never hold or operate the camera with wet hands.
- **Do not leave the camera in places where it may be subject to extremely high temperatures.**
 - Doing so may cause parts to deteriorate and, in some circumstances, cause the camera to catch fire. Do not use the charger or AC adapter if it is covered (such as a blanket). This could cause overheating, resulting in fire.
- **Handle the camera with care to avoid getting a low-temperature burn.**
 - When the camera contains metal parts, overheating can result in a low-temperature burn. Pay attention to the following:
 - When used for a long period, the camera will get hot. If you hold on to the camera in this state, a low-temperature burn may be caused.
 - In places subject to extremely cold temperatures, the temperature of the camera's body may be lower than the environmental temperature. If possible, wear gloves when handling the camera in cold temperatures.
- **Be careful with the strap.**
 - Be careful with the strap when you carry the camera. It could easily catch on stray objects – and cause serious damage.
- **Use only the AC adapter specified by Olympus.**
 - Never use any AC adapter except one specified by Olympus. Using a different AC adapter may damage the camera or power source, or result in accidents or fire. Ensure the adapter used is designed for your region or country. For more information, contact the nearest Olympus service center or the store of purchase. Olympus makes no representations or warranties regarding any damages caused by AC adapters not recommended by Olympus.
- **Do not damage the power-supply cord.**
 - Never pull or modify the power-supply cord of the AC adapter or accessories. Make sure only the plug is securely held during insertion and removal from the outlet. Stop using the camera immediately, and contact the nearest Olympus service center or the store of purchase if:
 - The power-supply cord becomes hot, or it gives off smoke or unusual odors.
 - The power-supply cord is cut or damaged, or the plug has a faulty contact.

Battery handling precautions

Follow these important guidelines to prevent batteries from leaking, overheating, burning, exploding, or causing electrical shocks or burns.

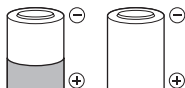
DANGER

- When using NiMH batteries (included in some areas), use only the Olympus brand NiMH batteries and fitting charger.
- Never heat or incinerate batteries.
- Take precautions when carrying or storing batteries to prevent them from coming into contact with any metal objects such as jewelry, pins, fasteners, etc.
- Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc.
- To prevent causing battery leaks or damaging their terminals, carefully follow all instructions regarding the use of batteries. Never attempt to disassemble a battery or modify it in any way, by soldering, etc.
- Never attempt to connect a battery directly to a power outlet, or to a cigarette lighter in a vehicle.
- If battery fluid gets into your eyes, flush your eyes immediately with clear, cold running water and seek medical attention immediately.
- Always store batteries out of the reach of small children. If a child accidentally swallows a battery, seek medical attention immediately.

WARNING

- Keep batteries dry at all times. Never allow them to come into contact with fresh or salt water.
- To prevent batteries from leaking, overheating, or causing a fire or explosion, use only batteries recommended for use with this product.
- Never mix batteries (old and new batteries, charged and uncharged batteries, batteries of different manufacture or capacity, etc.).
- Never attempt to charge alkaline, lithium or CR-V3 lithium battery packs.
- Insert the battery carefully as described in the operating instructions. Never load the battery with its +/- terminals reversed. Never force the battery into the battery compartment.
- Do not use batteries if their body is not covered by the insulating sheet or if the sheet is torn, as this may cause fluid leaks, fire, or injury. Do not use these batteries even if they were purchased in this condition.

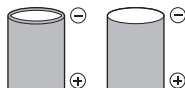
- The following AA (R6) batteries cannot be used.



Batteries whose bodies are only partially or not at all covered by an insulating sheet.



Batteries whose \ominus terminals are raised, but not covered by an insulating sheet.



Batteries whose terminals are flat and not completely covered by an insulating sheet. (Such batteries cannot be used even if the \ominus terminals are partially covered.)

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- If NiMH batteries (included in some areas) are not charged within the specified time, stop charging them and do not use them.
- Do not use a battery if it is cracked or broken.
- If a battery leaks, becomes discolored or deformed, or becomes abnormal in any other way during operation, stop using the camera and consult your dealer or an authorized Olympus service center. Continued use may result in fire or electric shock.
- If a battery leaks fluid onto your clothing or skin, remove the clothing and flush the affected area with clean, running cold water immediately. If the fluid burns your skin, seek medical attention immediately.
- Never attempt to modify the battery compartment on the camera, never insert anything (other than the recommended battery) into the battery compartment.
- Never subject batteries to strong shocks or continuous vibration.



CAUTION

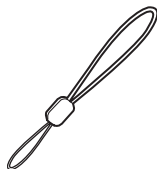
- Before loading, always inspect the battery carefully for leaks, discoloration, warping, or any other abnormality.
- The batteries may become hot during prolonged use. To avoid minor burns, do not remove it immediately after using the camera.

UNPACKING THE BOX CONTENTS

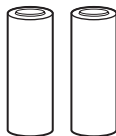
If you find any contents missing or damaged, contact the place of purchase.



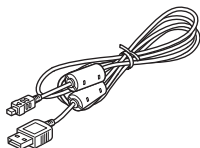
Digital Camera



Strap



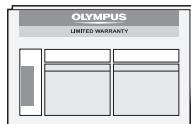
AA (R6) Alkaline
Batteries (two)



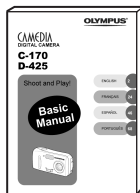
USB Cable



OLYMPUS Master CD-ROM



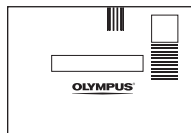
Warranty Card



Basic Manual
(this manual)



Advanced Manual
(CD-ROM)



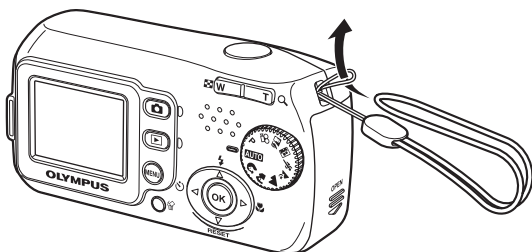
Registration Card

Contents vary depending on the area where you purchased this camera.

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Attaching the strap

1 Attach the strap as shown.



- Pull the strap tight so that it does not come loose.

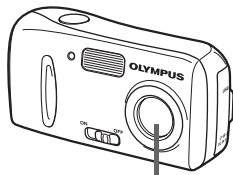


Note

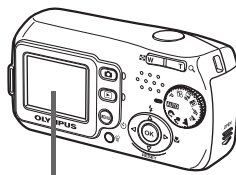
- Be careful with the strap when you carry the camera, as it can easily catch on stray objects, causing injury or damage.
- Attach the strap correctly as shown above. Olympus is not responsible for any damages resulting from the strap coming loose due to incorrect attachment.

LOADING THE BATTERIES

1 Make sure the camera is turned off.

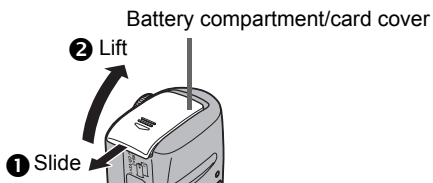


- The lens barrier is closed.

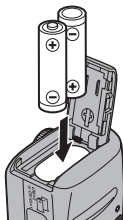


- The monitor is off.

2 Open the battery compartment/card cover.



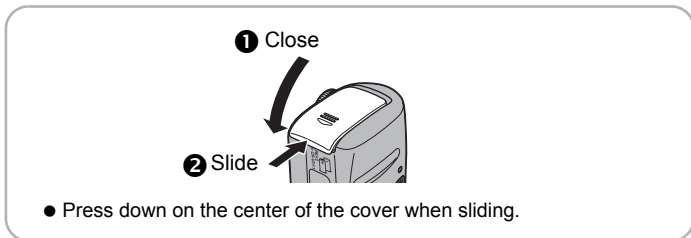
3 Insert the batteries.



- The battery insertion direction is indicated in the battery compartment and on the bottom of the camera.

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4 Close the battery compartment/card cover.



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The battery

In addition to the batteries provided with the camera, the following types of battery can be used. Choose the power source best suited to the situation.

● AA (R6) alkaline batteries

When you need batteries in a hurry, you can use AA (R6) alkaline batteries, which are easy to obtain anywhere. However, the number of pictures that you can take may vary considerably depending on the battery manufacturer, shooting conditions, etc. This camera uses two AA (R6) alkaline batteries.

● NiMH batteries (rechargeable batteries)

Olympus NiMH batteries are rechargeable and economical. However, repeatedly charging the batteries before using up their capacity will shorten the life of the batteries per charge. The batteries are not fully charged at the time of purchase. Charge the batteries with the battery charger specified by Olympus before use. For more details, refer to the instruction manual attached to the charger. This camera uses two NiMH batteries.

● Lithium battery pack (CR-V3)

The Olympus CR-V3 lithium battery pack has a long service life allowing you to use the camera longer than with alkaline batteries. However, it cannot be recharged. Do not remove the label on the battery pack.

- When loading the battery pack, the battery compartment/card cover may be difficult to close. Press down firmly on the battery compartment/card cover and slide it closed.

This camera uses one lithium battery pack.



Important

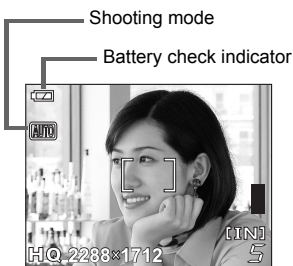
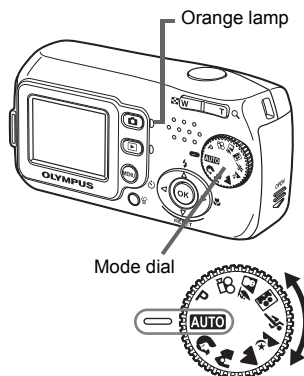
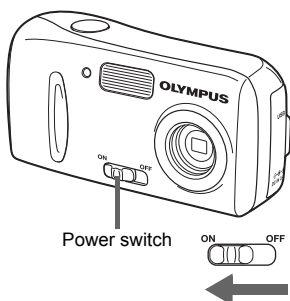
Manganese (zinc-carbon) batteries cannot be used.

**Note**

- Power consumption by the camera varies depending on which functions are used.
- Power is consumed continuously during the conditions described below causing the batteries to become exhausted quickly.
 - When the monitor is on in playback mode for an extended period of time.
 - The shutter button is pressed halfway repeatedly in shooting mode, activating the auto focus.
 - The camera is connected to a computer or printer.
- Battery life varies depending on the type of battery, manufacturer, shooting conditions, etc.
- Using exhausted batteries or alkaline batteries may cause the camera to turn off without displaying the battery level warning.

TURNING THE CAMERA ON


- 1 Set the mode dial to **AUTO** and slide the power switch to ON.



- The lens barrier opens.
- The monitor turns on.
- The orange lamp on the camera lights.



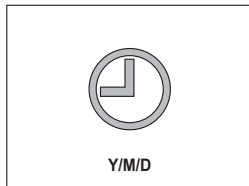
Note

- To save battery power, the camera automatically enters the sleep mode and stops operating after about 30 seconds of non-operation. The camera activates again as soon as you press  or the shutter button.
- 30 minutes after the camera enters sleep mode, the camera turns off automatically. Turn the camera on to use.
- If the camera is continuously used for a long period of time, the internal temperature of the camera may rise. In such cases, the power may automatically turn off. Please wait before using again.

When you first turn on the camera

Setting the date and time

The first time you use the camera, [Y/M/D] is displayed prompting you to set the date and time. See “Setting the date and time” in Chapter 5 of the Advanced Manual. The camera can be operated without making this setting.



Languages available on the camera

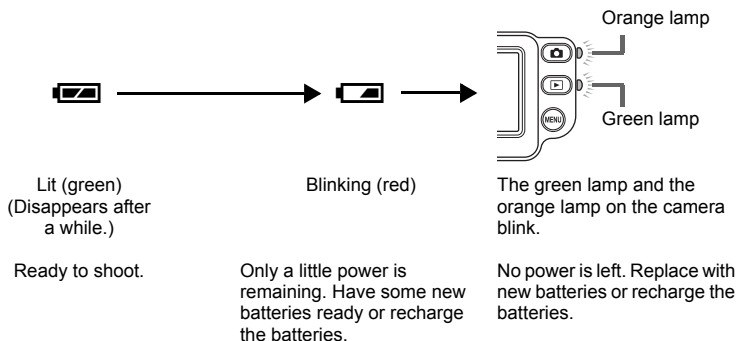
Available languages may vary according to where you purchased the camera. The instructions given in this manual and the Advanced Manual apply to the camera screens in English. See “Selecting a language” in Chapter 5 of the Advanced Manual.



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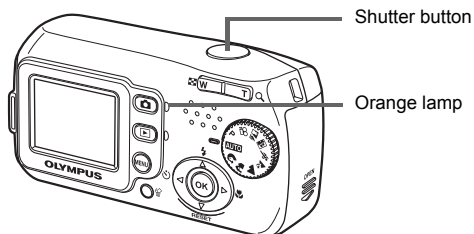
Battery power

The battery check indicator changes according to how much power is remaining.

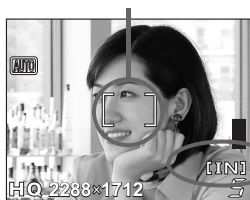


TAKING A PICTURE

1 Compose the picture.



AF target mark



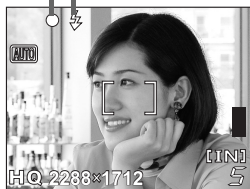
- Position the AF target mark on your subject using the monitor.
- The taken pictures are stored in the camera.

[IN]: Indicates that pictures are recorded in the camera's internal memory.

2 Focus on your subject.



Green lamp
⚡ mark



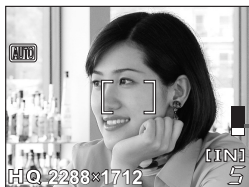
- Press the shutter button halfway and hold.

- The green lamp on the monitor lights when the focus and exposure are locked (Focus lock).
- The ⚡ mark lights when the flash is about to fire.

3 Take the picture.



- Press the shutter button fully.



- The orange lamp on the camera blinks while the picture is recorded.

Memory gauge

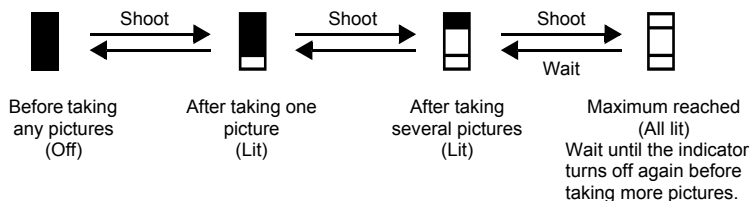


Note

- Press the shutter button gently. If it is pressed forcefully, the camera may move causing the picture to blur.
- Recorded pictures are saved in the camera regardless of whether the camera is turned off or the batteries are replaced or removed.
- Never open the battery compartment/card cover, remove the batteries or disconnect the AC adapter while the orange lamp is blinking. Doing so could destroy stored pictures and prevent storage of pictures you have just taken.
- When taking pictures against strong backlight, the area of the picture in shadow may appear colored.

Memory gauge

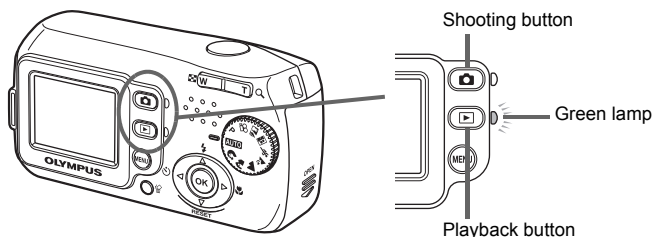
Every time you press the shutter button, the memory gauge lights indicating that the picture you have just taken is being recorded. The memory gauge changes according to how many pictures the camera is processing. This indicator is not displayed while recording movies.




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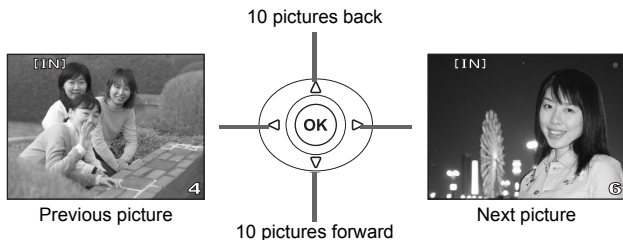
REVIEWING A PICTURE

1 Press .



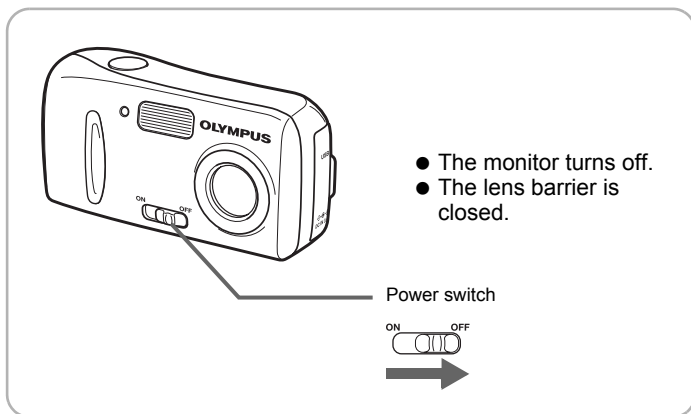
- The green lamp on the camera lights and the playback mode is enabled. You can display the last picture you took.
- Press  when you are ready to take another picture.

2 Use the arrow pad to display the picture you want.



TURNING THE CAMERA OFF

- 1 Slide the power switch to OFF.



En

Now that you have mastered how to shoot and play, refer to the Advanced Manual for additional camera features and applications.

And to get the most out of your digital images, be sure to install the OLYMPUS Master software on the supplied CD-ROM for enhanced editing, storing, and sharing of your images.

Specifications

Camera

Product type	: Digital camera (for shooting and displaying)
Recording system	
Still picture	: Digital recording, JPEG (in accordance with Design rule for Camera File system (DCF))
Applicable standards	: Exif 2.2, Digital Print Order Format (DPOF), PRINT Image Matching III, PictBridge
Movie	: QuickTime Motion JPEG support
Memory	: Internal memory (14 MB) xD-Picture Card (16 – 512 MB)
Image size	: 2,288 × 1,712 pixels (SHQ) 2,288 × 1,712 pixels (HQ) 1,600 × 1,200 pixels (SQ1) 640 × 480 pixels (SQ2)
No. of storable pictures (when using the internal memory)	: Approx. 4 frames (SHQ) Approx. 14 frames (HQ) Approx. 27 frames (SQ1) Approx. 144 frames (SQ2)
No. of effective pixels	: Approx. 4,000,000 pixels
Image pickup device	: 1/2.5" CCD solid-state image pickup, 4,190,000 pixels (gross)
Lens	: Olympus lens 6.1 mm, f2.8 (equivalent to 36.7 mm lens on a 35mm camera)
Photometric system	: Digital ESP metering
Aperture	: f2.8, f6.5
Shutter speed	: 2 to 1/1,500 sec.
Shooting range	: 0.5 m (1.6 ft.) to ∞ (NORMAL) 0.2 m (0.7 ft.) to 0.5 m (1.6 ft.) (macro mode)
Monitor	: 1.5" TFT color LCD display, 85,000 pixels
Auto focus	: Contrast Detection Method
Outer connector	: DC-IN jack, USB connector
Automatic calendar system	: 2005 up to 2099
Operating environment	
Temperature	: 0°C to 40°C (32°F to 104°F) (operation)/ -20°C to 60°C (-4°F to 140°F) (storage)
Humidity	: 30% to 90% (operation)/10% to 90% (storage)
Power supply	: Two AA (R6) alkaline batteries or two NiMH batteries/ One lithium battery pack (CR-V3)/ Olympus AC adapter (optional)
Dimensions	: 101 mm (W) × 51.5 mm (H) × 34.5 mm (D) (4.0" × 2.0" × 1.4") excluding protrusions
Weight	: 120 g (0.26 lb.) without battery and card

Design and specifications subject to change without notice.



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